

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	118	55/327.ccls.	US-PGPUB; USPAT	OR	OFF	2011/07/07 17:37
L4	1713	422/170,171.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/07 18:57
L5	1713	422/170,171.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/07 19:00
L6	659	422/169.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/07 19:00
L7	377	L6 not L5	US-PGPUB; USPAT	OR	ON	2011/07/07 19:00
L8	914	(single near2 cell) with filter	US-PGPUB; USPAT	OR	ON	2011/07/07 19:01
S1	4	("4902487" "4426320" "5707593" "5746989").pn.	USPAT	OR	OFF	2007/09/29 16:33
S2	0	"CHENG-SHI-WAI.in. "	USPAT	OR	OFF	2007/09/29 16:33
S3	0	"CHENG-SHI-WAI.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:34
S4	1	"6770252".pn.	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:33
S5	0	"CHENG-SHI-WAI-s.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:34
S6	0	"CHENG-SHI-WAI-S.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:34
S7	0	"CHENG-SHI-WAI-S.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:34
S8	0	"CHENG-SHI-S.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:35
S9	0	"CHENG-S.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:35
S10	0	"CHENG-wai-S.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:35
S11	0	"S-CHENG-shi-wai.in. "	US-PGPUB; USPAT	OR	OFF	2007/09/29 16:35
S12	13	("4032124").PN. OR ("4426320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/29 17:11

S13	3	"422"/\$.ccls. and (foam near2 filter) with (fine near2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/29 17:12
S14	410	422/171.ccls. and filter	US-PGPUB; USPAT	OR	ON	2007/09/29 17:35
S15	114	422/171.ccls. and ((multiple dual plurality) with filter)	US-PGPUB; USPAT	OR	ON	2007/09/29 19:18
S16	3	foam with fine with catalytic with filter	US-PGPUB; USPAT	OR	ON	2007/09/29 19:38
S17	12	foam same fine same catalytic same filter	US-PGPUB; USPAT	OR	ON	2007/09/29 19:38
S18	639	(single near2 cell) with filter	US-PGPUB; USPAT	OR	ON	2007/09/30 14:54
S19	5	(single near2 cell) with filter and (diesel with exhaust)	US-PGPUB; USPAT	OR	ON	2007/09/30 13:41
S20	16	Cheng-Shi-Wai-S.in.	US-PGPUB; USPAT	OR	ON	2007/09/30 14:54
S21	1	"20040166041"	US-PGPUB; USPAT	OR	OFF	2009/02/04 11:20
S22	341	diesel with engine and ceramic with foam with filter	US-PGPUB; USPAT	OR	ON	2009/02/04 13:51
S23	6	diesel with engine and ceramic with foam with filter same trap with particle	US-PGPUB; USPAT	OR	ON	2009/02/04 13:51
S24	39	diesel with engine and ceramic with foam with filter and trap with particle same filter	US-PGPUB; USPAT	OR	ON	2009/02/04 13:55
S25	33	S24 not S23	US-PGPUB; USPAT	OR	ON	2009/02/04 13:55
S26	7	diesel with engine and ceramic with foam with surround\$4 with filter	US-PGPUB; USPAT	OR	ON	2009/02/04 13:57
S27	1	"4704863".pn.	US-PGPUB; USPAT	OR	ON	2009/02/04 14:01
S28	7	("4426320"   "4902487"   "5183608"   "5707593"   "5746989").PN. OR ("6770252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:03

S29	23	("2761496"   "2878107"   "2898202"   "3733181"   "3799748"   "4069157"   "4199477"   "4208454"   "4308233"   "4963329"   "4981676"   "5106588"   "5260042"   "5412946"   "5618500").PN. OR ("5707593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/04 14:57
S30	6	diesel with engine and ceramic with foam with surround\$4 with filter same (plural\$4 multiple)	US-PGPUB; USPAT	OR	ON	2009/02/04 15:43
S31	50	diesel with engine and multiple with filter same apparatus	US-PGPUB; USPAT	OR	ON	2009/02/04 15:54
S32	138	210/458.ccls.	US-PGPUB; USPAT	OR	ON	2009/02/04 16:03
S33	1	"20040245315"	US-PGPUB; USPAT	OR	OFF	2009/02/13 14:34
S34	11750	through with hole with cell	US-PGPUB; USPAT	OR	ON	2009/08/19 15:01
S35	2108	through near2 hole near2 cell	US-PGPUB; USPAT	OR	ON	2009/08/19 15:01
S36	72	through near2 hole near2 cell same catalyst	US-PGPUB; USPAT	OR	ON	2009/08/19 15:01
S37	14	("4032124").PN. OR ("4426320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/19 16:01
S38	445	422/171.ccls. and filter	US-PGPUB; USPAT	OR	ON	2009/08/19 17:06
S39	4	S35 and S38	US-PGPUB; USPAT	OR	ON	2009/08/19 17:06
S40	1	"7297175".pn.	US-PGPUB; USPAT	OR	ON	2009/08/19 18:46
S41	3	filter with surround\$ with fine with course	US-PGPUB; USPAT	OR	ON	2009/08/19 18:49
S42	85	filter with surround\$ and through with hole with cell	US-PGPUB; USPAT	OR	ON	2009/08/19 18:50
S43	1511	422/170,171.ccls.	US-PGPUB; USPAT	OR	ON	2009/08/19 19:03
S44	539	422/169.ccls.	US-PGPUB; USPAT	OR	ON	2009/08/30 16:13
S45	3	("3290876").URPN.	USPAT	OR	OFF	2009/08/30 17:52

S46	37	filter with surround\$ with permeable with membrane	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/30 18:51
S47	1	"3290876".pn.	USOCR	OR	OFF	2010/05/10 14:42
S48	1	("2004/0101451").URFN.	USPAT	OR	OFF	2010/09/02 19:44
S49	4	("2002/0141910").URFN.	USPAT	OR	OFF	2010/09/03 11:37
S50	1	"5228891".pn.	USPAT	OR	OFF	2010/09/03 11:53
S51	1	"4842737".pn.	USPAT	OR	OFF	2010/09/03 11:54
S52	1081	diesel near2 exhaust near2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/03 11:58
S53	1	"5290457".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/03 12:16
S54	0	diesel near2 exhaust near2 filter and space near2 provid\$3 near2 between near2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/03 12:41
S55	0	diesel near2 exhaust near2 filter and space near2 provid\$3 near2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/03 12:41
S56	0	diesel near2 exhaust near2 filter and spac\$4 near2 provid\$3 near2 filter	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/03 12:42
S57	1	"5431706".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/05 15:01
S58	0	smith-jennifer.xa.	US-PGPUB; USPAT	OR	ON	2011/04/08 11:27
S59	0	smith-jenn.xa.	US-PGPUB; USPAT	OR	ON	2011/04/08 11:27
S60	0	smith-jen.xa.	US-PGPUB; USPAT	OR	ON	2011/04/08 11:27
S61	13751	smith.xa.	US-PGPUB; USPAT	OR	ON	2011/04/08 11:27
S62	51	smith-jennifer-a.xa.	US-PGPUB; USPAT	OR	ON	2011/04/08 11:28
S63	2	"20020046555"	US-PGPUB; USPAT	OR	ON	2011/04/09 18:01

S64	7	("3675398"   "4544388"   "5961931"   "6056796"   "6471918").PN. OR ("7029634").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/09 18:06
S65	9	("3960528"   "4677823"   "4902487"   "5458664"   "5758496"   "5830415"   "5961931").PN. OR ("6808688").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/09 18:47
S66	1688	422/170,171.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/10 15:56
S67	644	422/169.ccls.	US-PGPUB; USPAT	OR	ON	2011/04/10 15:56
S68	373	S67 not S66	US-PGPUB; USPAT	OR	ON	2011/04/10 15:56
S69	9	("3960528"   "4677823"   "4902487"   "5458664"   "5758496"   "5830415"   "5961931").PN. OR ("6808688").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/25 10:39
S70	0	cheng-shi-wai.in.	US-PGPUB; USPAT	OR	ON	2011/07/06 09:46
S71	24	cheng-shi-wai-s.in.	US-PGPUB; USPAT	OR	ON	2011/07/06 09:47

**EAST Search History (Interference)**

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